

Dynamic Design: The Cleanroom

Planning a Party!

STUDENT HANDOUT: PLANNING THE ASSEMBLY

The table below is a small portion of actual data from a larger spreadsheet that Johnson Space Center in Houston, Texas used to help plan and keep track of the cleaning and assembly of the Genesis spacecraft.

	A	B	C	D	E	F	G	H
	Sub Assembly	Part/ Serial Number	Status (FA – Flight Assembly; FLT—Flight Certified)	Part Count	Part Description	Comments	Rec'd Date	Rec'd Initials
1	Fixed Array Assembly							
2	Fixed Array Frame	SN0002	FLT	1	Al 6061	flight array uncleaned, returned for brite- dip	5/26/002/4 /00	EKS/K C/CS
3	Fixed Array Install Kit	PN 90273-25C		13	13 washers, Al 6061, countersunk			

	I	J	K	L	M	N	O	P
	Location	Transf Date	Transf Initials	ESD	Prep	Cleaning Procedure		
						Date Initial	Alcohol Wipe	Date Initial
1								
2	1107 PAn2ST12JPL	6/6/00 3/21/00	KC/EKS/CS	N	swab holes	3/18 KC	IPA	3/21 CS
3				N				

	Q	R	S	T	U	V	W	X
	Cleaning Procedure, cont'd.							
	Solvent Ultrasonic	Date Initial	Solvent Rinse	Date Initial	Detergent Wash	Date Initial	Water Ultra Sonic	Date Initial
1								
2							30 m cold	
3								